

# Missouri Occupational Projections 2020-2030

## Table of Contents

Tab	Description
<a href="#"><u>1. Major Occupation Groups</u></a>	Projection and wage data for major occupation groups.
<a href="#"><u>2. Top Job Outlook</u></a>	Top A and B occupations by total annual openings. Occupations are organized into NOW, NEXT, and LATER, based on the skill level.
<a href="#"><u>3. Top Job Openings</u></a>	Top occupations by total annual openings. Occupations are organized into NOW, NEXT, and LATER, based on the skill level that
<a href="#"><u>4. Fastest Growing</u></a>	Occupations with the highest projected percentage of job growth between 2020 and 2030. Occupations are organized into NO'
<a href="#"><u>5. All Occupations</u></a>	Data for all available detailed occupations. This data includes, but is not limited to, projected growth and openings, typical edu
<a href="#"><u>6. Notes</u></a>	Explanation of data

Occupational projections are produced every two years and are published in July of even numbered years.

Occupations are classified using the Standard Occupational Classification (SOC) system. Major occupation groups are at the two digit SOC level, while detailed c

*This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the Missouri Department of Economic Development. This product does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization is authorized.*

**Major Occupation Groups Information**

Occupation	SOC Code	2020		2030		2020-2030		2020 Wages				Annual Openings			
		Estimated Employment	Projected Employment	Net Change	Percent	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total		
00-0000 Total, All Occupations		2,945,668	3,161,445	215,777	7.3%	\$26,580	\$50,140	\$38,890	\$61,060	130,842	200,079	21,578	352,499		
11-0000 Management Occupations		163,163	178,470	15,307	9.4%	\$64,090	\$109,910	\$95,620	\$138,270	4,361	9,210	1,531	15,102		
13-0000 Business and Financial Operations Occupations		173,895	186,976	13,081	7.5%	\$49,830	\$73,800	\$66,350	\$90,120	4,764	10,479	1,308	16,551		
15-0000 Computer and Mathematical Occupations		96,974	110,737	13,763	14.2%	\$55,680	\$82,040	\$78,630	\$104,190	2,143	5,145	1,376	8,664		
17-0000 Architecture and Engineering Occupations		38,404	42,318	3,914	10.2%	\$59,370	\$82,980	\$78,150	\$102,540	972	1,924	391	3,287		
19-0000 Life, Physical, and Social Science Occupations		19,047	21,121	2,074	10.9%	\$45,200	\$69,130	\$60,760	\$83,320	427	1,427	207	2,061		
21-0000 Community and Social Service Occupations		58,712	62,485	3,773	6.4%	\$33,110	\$43,200	\$39,680	\$51,170	1,996	3,902	377	6,275		
23-0000 Legal Occupations		24,102	26,569	2,467	10.2%	\$43,390	\$82,610	\$62,230	\$103,370	726	1,060	247	2,033		
25-0000 Education, Training, and Library Occupations		148,885	161,027	12,142	8.2%	\$31,670	\$51,350	\$43,370	\$59,680	6,157	7,065	1,214	14,436		
27-0000 Arts, Design, Entertainment, Sports, and Media Occupations		41,923	46,185	4,262	10.2%	\$29,820	\$49,810	\$43,440	\$61,640	1,582	2,807	426	4,815		
29-0000 Healthcare Practitioners and Technical Occupations		198,171	215,383	17,212	8.7%	\$44,230	\$73,960	\$60,380	\$82,250	5,222	6,224	1,721	13,167		
31-0000 Healthcare Support Occupations		143,906	160,559	16,653	11.6%	\$22,350	\$28,700	\$25,340	\$31,470	9,151	9,186	1,665	20,002		
33-0000 Protective Service Occupations		58,245	61,342	3,097	5.3%	\$29,640	\$47,570	\$40,230	\$62,180	2,677	3,782	310	6,769		
35-0000 Food Preparation and Serving Related Occupations		228,051	273,499	45,448	19.9%	\$20,140	\$25,800	\$22,810	\$28,480	18,683	25,316	4,545	48,544		
37-0000 Building and Grounds Cleaning and Maintenance Occupations		90,639	97,891	7,252	8.0%	\$22,490	\$30,700	\$27,390	\$34,430	5,332	6,899	725	12,956		
39-0000 Personal Care and Service Occupations		73,488	85,184	11,696	15.9%	\$20,560	\$29,170	\$24,520	\$32,770	5,084	6,161	1,170	12,415		
41-0000 Sales and Related Occupations		280,873	280,467	-406	-0.1%	\$22,620	\$42,480	\$29,220	\$48,040	14,579	22,083	-41	36,621		
43-0000 Office and Administrative Support Occupations		404,845	395,528	-9,317	-2.3%	\$28,740	\$39,790	\$36,730	\$47,700	18,855	24,558	-932	42,481		
45-0000 Farming, Fishing, and Forestry Occupations		18,179	18,576	397	2.2%	\$26,050	\$33,000	\$30,510	\$37,990	768	2,082	40	2,890		
47-0000 Construction and Extraction Occupations		127,902	139,386	11,484	9.0%	\$38,460	\$57,440	\$54,500	\$74,930	4,019	8,964	1,148	14,131		
49-0000 Installation, Maintenance, and Repair Occupations		116,727	125,184	8,457	7.3%	\$35,000	\$49,490	\$46,590	\$61,850	3,790	7,726	846	12,362		
51-0000 Production Occupations		197,588	203,358	5,770	2.9%	\$29,470	\$41,120	\$37,900	\$49,200	7,587	14,240	577	22,404		
53-0000 Transportation and Material Moving Occupations		241,949	269,200	27,251	11.3%	\$25,530	\$37,590	\$33,020	\$45,510	11,968	19,840	2,725	34,533		

Please see Notes tab for further explanation of data.

This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner. July 2022

Long-Term Occupational Projections for Missouri

## Top Job Outlook by Now, Next, and Later Categories

Outlook defined by Career Grades which consider openings, growth rate, and wages

### NOW Top Job Outlook - Statewide

*NOW jobs typically require high school education or less and short-term training*

Grade	Occupation Title	Annual Openings	Average Annual Wage
B+	Fast Food and Counter Workers	14,092	\$24,580
B	Home Health and Personal Care Aides	10,800	\$25,840
B+	Waiters and Waitresses	10,041	\$23,880
B	Stockers and Order Fillers	7,930	\$30,120
B	Customer Service Representatives	6,825	\$36,580
B+	Laborers and Freight, Stock, and Material Movers, Hand	6,808	\$33,360
B	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	5,721	\$29,550
B	Childcare Workers	3,222	\$25,150
B	Maids and Housekeeping Cleaners	3,025	\$24,260
B	Landscaping and Groundskeeping Workers	2,825	\$34,250
B	Food Preparation Workers	2,747	\$23,670
B+	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	2,612	\$29,970
A	Construction Laborers	2,601	\$51,200
B+	Light Truck or Delivery Services Drivers	2,550	\$38,500
B+	Security Guards	2,370	\$38,770
B+	Bartenders	1,918	\$28,240
B+	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	1,849	\$22,400
B+	Industrial Truck and Tractor Operators	1,767	\$39,670
B	Driver/Sales Workers	1,554	\$29,740
B+	Dining Room and Cafeteria Attendants and Bartender Helpers	1,469	\$23,560

### NEXT Top Job Outlook - Statewide

*NEXT jobs typically require moderate/long-term training or experience or education beyond high school*

Grade	Occupation Title	Annual Openings	Average Annual Wage
A	Cooks, Restaurant	6,497	\$27,250
B+	Heavy and Tractor-Trailer Truck Drivers	5,662	\$48,230
B	Maintenance and Repair Workers, General	3,216	\$41,940
A	First-Line Supervisors of Food Preparation and Serving Workers	3,190	\$36,410
A	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,423	\$71,670
B	First-Line Supervisors of Office and Administrative Support Workers	2,274	\$62,020
B+	Carpenters	2,043	\$60,100
B	Medical Secretaries	1,956	\$36,610
B+	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	1,883	\$64,240
B	Automotive Service Technicians and Mechanics	1,699	\$44,010
A	Electricians	1,640	\$61,490
B	Hairdressers, Hairstylists, and Cosmetologists	1,529	\$30,560
B	Medical Assistants	1,465	\$33,540
B	First-Line Supervisors of Production and Operating Workers	1,418	\$61,220
B+	Insurance Sales Agents	1,376	\$63,110
B	Farmers, Ranchers, and Other Agricultural Managers	1,321	\$65,410
B	Welders, Cutters, Solderers, and Brazers	1,319	\$43,650
B+	Computer User Support Specialists	1,297	\$53,600
B	Police and Sheriff's Patrol Officers	1,157	\$56,480
B+	First-Line Supervisors of Construction Trades and Extraction Workers	1,077	\$76,480

### LATER Top Job Outlook - Statewide

*LATER jobs typically require a Bachelor's degree or higher education*

Grade	Occupation Title	Annual Openings	Average Annual Wage
A+	General and Operations Managers	5,593	\$101,610

B+	Registered Nurses	<b>4,405</b>	\$65,900
A+	Software Developers and Software Quality Assurance Analysts and Testers	<b>3,122</b>	\$96,530
A	Accountants and Auditors	<b>2,848</b>	\$71,130
B	Secondary School Teachers, Except Special and Career/Technical Education	<b>2,223</b>	\$48,570
A	Project Management Specialists and Business Operations Specialists, All Other	<b>2,180</b>	\$80,400
A+	Management Analysts	<b>1,645</b>	\$88,950
A	Human Resources Specialists	<b>1,569</b>	\$61,150
B	Elementary School Teachers, Except Special Education	<b>1,563</b>	\$52,050
A	Market Research Analysts and Marketing Specialists	<b>1,481</b>	\$66,020
B	Substitute Teachers, Short-Term	<b>1,288</b>	\$34,820
B	Educational, Guidance, School, and Vocational Counselors	<b>1,078</b>	\$51,250
B+	Securities, Commodities, and Financial Services Sales Agents	<b>996</b>	\$87,560
A+	Medical and Health Services Managers	<b>932</b>	\$112,500
B+	Computer Systems Analysts	<b>896</b>	\$85,180
A+	Financial Managers	<b>869</b>	\$139,040
B	Middle School Teachers, Except Special and Career/Technical Education	<b>842</b>	\$54,430
A	Lawyers	<b>768</b>	\$111,020
A+	Nurse Practitioners	<b>715</b>	\$106,870
A	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	<b>687</b>	\$90,890

*Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center  
Please see Notes tab for additional details*

Long-Term Occupational Projections for Missouri

## Top Job Openings by Now, Next, and Later Categories

Openings based on job growth as well as replacement needs due to exits or transfers

### NOW Top Job Openings - Statewide

*NOW jobs typically require high school education or less and short-term training*

Grade	Occupation Title	Annual Openings	Average Annual Wage
B+	Fast Food and Counter Workers	14,092	\$24,580
C	Cashiers	11,504	\$24,490
B	Home Health and Personal Care Aides	10,800	\$25,840
C+	Retail Salespersons	10,597	\$30,640
B+	Waiters and Waitresses	10,041	\$23,880
B	Stockers and Order Fillers	7,930	\$30,120
C+	Office Clerks, General	7,184	\$36,060
B	Customer Service Representatives	6,825	\$36,580
B+	Laborers and Freight, Stock, and Material Movers, Hand	6,808	\$33,360
B	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	5,721	\$29,550
C+	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	4,243	\$37,310
B	Childcare Workers	3,222	\$25,150
B	Maids and Housekeeping Cleaners	3,025	\$24,260
B	Landscaping and Groundskeeping Workers	2,825	\$34,250
B	Food Preparation Workers	2,747	\$23,670
B+	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	2,612	\$29,970
A	Construction Laborers	2,601	\$51,200
B+	Light Truck or Delivery Services Drivers	2,550	\$38,500
B+	Security Guards	2,370	\$38,770
C+	Shipping, Receiving, and Traffic Clerks	2,093	\$34,150

### NEXT Top Job Openings - Statewide

*NEXT jobs typically require moderate/long-term training or experience or education beyond high school*

Grade	Occupation Title	Annual Openings	Average Annual Wage
A	Cooks, Restaurant	6,497	\$27,250
B+	Heavy and Tractor-Trailer Truck Drivers	5,662	\$48,230
C+	Nursing Assistants	4,454	\$27,720
B	Maintenance and Repair Workers, General	3,216	\$41,940
A	First-Line Supervisors of Food Preparation and Serving Workers	3,190	\$36,410
C+	Miscellaneous Assemblers and Fabricators	3,038	\$39,360
C+	Bookkeeping, Accounting, and Auditing Clerks	2,891	\$41,320
A	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,423	\$71,670
C+	First-Line Supervisors of Retail Sales Workers	2,397	\$43,960
B	First-Line Supervisors of Office and Administrative Support Workers	2,274	\$62,020
B+	Carpenters	2,043	\$60,100
B	Medical Secretaries	1,956	\$36,610
B+	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	1,883	\$64,240
B	Automotive Service Technicians and Mechanics	1,699	\$44,010
C+	Teaching Assistants, Except Postsecondary	1,695	\$26,710
A	Electricians	1,640	\$61,490
B	Hairdressers, Hairstylists, and Cosmetologists	1,529	\$30,560
B	Medical Assistants	1,465	\$33,540
B	First-Line Supervisors of Production and Operating Workers	1,418	\$61,220
B+	Insurance Sales Agents	1,376	\$63,110

### LATER Top Job Openings - Statewide

*LATER jobs typically require a Bachelor's degree or higher education*

Grade	Occupation Title	Annual Openings	Average Annual Wage
A+	General and Operations Managers	5,593	\$101,610

B+	Registered Nurses	<b>4,405</b>	\$65,900
A+	Software Developers and Software Quality Assurance Analysts and Testers	<b>3,122</b>	\$96,530
A	Accountants and Auditors	<b>2,848</b>	\$71,130
B	Secondary School Teachers, Except Special and Career/Technical Education	<b>2,223</b>	\$48,570
A	Project Management Specialists and Business Operations Specialists, All Other	<b>2,180</b>	\$80,400
A+	Management Analysts	<b>1,645</b>	\$88,950
A	Human Resources Specialists	<b>1,569</b>	\$61,150
B	Elementary School Teachers, Except Special Education	<b>1,563</b>	\$52,050
A	Market Research Analysts and Marketing Specialists	<b>1,481</b>	\$66,020
B	Substitute Teachers, Short-Term	<b>1,288</b>	\$34,820
B	Educational, Guidance, School, and Vocational Counselors	<b>1,078</b>	\$51,250
B+	Securities, Commodities, and Financial Services Sales Agents	<b>996</b>	\$87,560
A+	Medical and Health Services Managers	<b>932</b>	\$112,500
B+	Computer Systems Analysts	<b>896</b>	\$85,180
C+	Child, Family, and School Social Workers	<b>890</b>	\$37,770
A+	Financial Managers	<b>869</b>	\$139,040
B	Middle School Teachers, Except Special and Career/Technical Education	<b>842</b>	\$54,430
A	Lawyers	<b>768</b>	\$111,020
A+	Nurse Practitioners	<b>715</b>	\$106,870

*Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center  
 Please see Notes tab for additional details*

Long-Term Occupational Projections for Missouri

## Fastest Growing Occupations by Now, Next, and Later Categories

Fastest growth defined by percent growth from base year to projected year

### NOW Fastest Growing Occupations - Statewide

*NOW jobs typically require high school education or less and short-term training*

Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage
B	Entertainment Attendants and Related Workers, All Other	62.1%	19	\$38,990
B	Costume Attendants	51.5%	20	\$39,330
B	Ushers, Lobby Attendants, and Ticket Takers	47.2%	794	\$23,960
B	Media and Communication Workers, All Other	35.2%	33	\$52,140
C+	Baggage Porters and Bellhops	33.9%	31	\$27,210
B	Miscellaneous Entertainers and Performers, Sports and Related Workers	33.0%	73	n/a
B+	Bartenders	30.8%	1,918	\$28,240
B	Cargo and Freight Agents	29.0%	328	\$47,290
B+	Dining Room and Cafeteria Attendants and Bartender Helpers	28.3%	1,469	\$23,560
B	Food Preparation and Serving Related Workers, All Other	27.6%	262	\$23,830
B+	Nonfarm Animal Caretakers	27.0%	1,375	\$26,270
B	Amusement and Recreation Attendants	25.6%	1,052	\$25,950
B	Hoist and Winch Operators	24.1%	9	\$40,540
B+	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	23.9%	1,849	\$22,400
B	Hotel, Motel, and Resort Desk Clerks	23.8%	811	\$24,160
C+	Gaming Dealers	20.5%	157	\$22,950
C+	Crematory Operators and Personal Care and Service Workers, All Other	20.2%	59	\$30,580
B	Dishwashers	19.5%	1,088	\$23,500
B+	Waiters and Waitresses	19.4%	10,041	\$23,880
C+	Veterinary Assistants and Laboratory Animal Caretakers	19.1%	346	\$31,330

### NEXT Fastest Growing Occupations - Statewide

*NEXT jobs typically require moderate/long-term training or experience or education beyond high school*

Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage
A	Cooks, Restaurant	48.1%	6,497	\$27,250
B	Actors	47.6%	53	n/a
C+	Concierges	41.7%	89	\$30,440
B	Athletes and Sports Competitors	39.0%	45	n/a
B	Umpires, Referees, and Other Sports Officials	32.0%	226	\$34,000
B+	Occupational Therapy Assistants	31.0%	160	\$57,100
B+	Physical Therapist Assistants	29.8%	403	\$52,320
A	Lighting Technicians and Media and Communication Equipment Workers, All Other	29.5%	10	\$79,640
B+	Fitness Trainers and Aerobics Instructors	27.7%	899	\$35,730
B+	Computer Numerically Controlled Tool Programmers	27.5%	78	\$64,540
B	Mechanical Door Repairers	26.1%	59	\$53,080
B+	Millwrights	24.8%	64	\$69,730
C+	Woodworkers, All Other	24.5%	21	\$30,510
B+	Chefs and Head Cooks	23.9%	210	\$54,790
B+	Respiratory Therapists	23.8%	253	\$57,750
B+	Musicians and Singers	23.0%	121	n/a
B	Massage Therapists	22.9%	304	\$40,930
B+	Industrial Machinery Mechanics	22.6%	638	\$55,480
B	Audio and Video Equipment Technicians	22.5%	218	\$47,820
C+	Manicurists and Pedicurists	22.1%	168	\$28,470

### LATER Fastest Growing Occupations - Statewide

*LATER jobs typically require a Bachelor's degree or higher education*

Grade	Occupation Title	Percent Growth	Annual Openings	Average Annual Wage
A+	Nurse Practitioners	<b>47.5%</b>	715	\$106,870
A	Computer and Information Research Scientists	<b>40.4%</b>	34	n/a
A	Logisticians	<b>33.5%</b>	318	\$76,360
A	Information Security Analysts	<b>32.8%</b>	295	\$91,770
A	Statisticians	<b>32.0%</b>	72	\$75,530
A	Physician Assistants	<b>28.9%</b>	118	\$94,020
A+	Medical and Health Services Managers	<b>28.0%</b>	932	\$112,500
A	Medical Scientists, Except Epidemiologists	<b>27.4%</b>	158	\$79,870
A	Data Scientists and Mathematical Science Occupations, All Other	<b>27.3%</b>	109	\$100,370
A	Operations Research Analysts	<b>26.8%</b>	159	\$80,190
B	Interpreters and Translators	<b>25.4%</b>	104	\$47,330
A	Speech-Language Pathologists	<b>24.4%</b>	258	\$81,390
A	Genetic Counselors	<b>24.4%</b>	4	\$84,530
A	Nursing Instructors and Teachers, Postsecondary	<b>24.0%</b>	169	\$68,420
B	Athletic Trainers	<b>23.6%</b>	60	\$46,040
B+	Coaches and Scouts	<b>23.2%</b>	651	\$40,690
A+	Software Developers and Software Quality Assurance Analysts and Testers	<b>23.0%</b>	3,122	\$96,530
A	Market Research Analysts and Marketing Specialists	<b>22.8%</b>	1,481	\$66,020
B	Film and Video Editors	<b>22.5%</b>	55	\$52,240
A	Biochemists and Biophysicists	<b>19.4%</b>	40	\$86,280

Source: 2020-2030 Long-Term Occupational Projections, Missouri Economic Research and Information Center

Please see Notes tab for additional details

## All Occupation Information

Occupation	Grade	N_N_L	SOC Code	Title	2020			2030			2020-2030			2020 Wages			Annual Openings			Education, Experience, and Training			ACT Workkeys Assessment Levels					
					Estimated Employment	Projected Employment	Net Change	Percent Change	Entry	Mean	Median	Experienced	Exits	Transfers	Growth	Total	Typical Education Required	Typical Experience Required	Typical Job Training	Applied Math	Workplace Documents	Graphic Literacy	STEM					
00-0000 Total, All Occupations				2,945,668	3,161,445	215,777	7.3%	\$26,580	\$50,140	\$38,890	\$61,060	130,842	200,079	21,578	52,499				Minimum	Median	Minimum	Median	Minimum	Median	STEM CORE or Related			
B	LATER	11-0000	Management Occupations	163,165	178,470	15,307	9.4%	\$54,000	\$100,310	\$89,620	\$118,270	4,361	9,210	1,551	15,102	Bachelor's degree	5 years or more	None	4	5	5	6	4	5				
A+	LATER	11-1011	Chief Executives	1,195	1,195	0	0.0%	\$59,700	\$125,460	\$101,440	\$129,640	1,216	3,774	603	5,593	Bachelor's degree	5 years or more	None	3	5	3	5	4	5				
D	LATER	11-1033	Legislators	57,861	63,800	6,020	10.4%	\$53,020	\$105,510	\$80,610	\$129,640	1,216	3,774	603	5,593	Bachelor's degree	Less than 5 years	None	3	5	4	6	4	5				
B	LATER	11-2011	Advertising and Promotions Managers	279	299	20	7.2%	\$75,010	\$114,420	\$100,430	\$149,140	5	22	2	29	Bachelor's degree	Less than 5 years	None	3	4	3	5	3	4				
B+	LATER	11-2021	Marketing Managers	2,661	2,904	243	9.1%	\$93,100	\$138,250	\$126,650	\$171,350	56	175	24	255	Bachelor's degree	5 years or more	None	7	7	5	5	5	5				
B+	LATER	11-2022	Sales Managers	4,722	5,136	414	8.8%	\$95,370	\$145,630	\$130,920	\$177,810	98	311	41	450	Bachelor's degree	Less than 5 years	None	4	4	5	5	4	5				
A	LATER	11-2030	Public Relations and Fundraising Managers	1,541	1,721	180	11.7%	\$70,610	\$116,310	\$101,710	\$145,190	42	93	18	153	Bachelor's degree	5 years or more	None	4	5	5	5	4	5				
B+	LATER	11-3010	Administrative Service and Facilities Managers	5,775	6,246	471	8.2%	\$69,830	\$96,870	\$88,560	\$113,780	171	300	47	518	Bachelor's degree	Less than 5 years	None	3	5	4	5	4	4				
A	LATER	11-3011	Computer and Information Systems Managers	9,066	10,186	1,120	18.6%	\$59,250	\$136,720	\$131,020	\$162,690	203	497	150	869	Bachelor's degree	5 years or more	None	5	5	5	5	5	5	Core			
A+	LATER	11-3012	Financial Managers	3,374	3,674	300	7.7%	\$89,440	\$114,520	\$104,540	\$131,620	70	170	27	307	Bachelor's degree	5 years or more	None	3	4	3	4	4	4				
B	LATER	11-3061	Purchasing Managers	865	914	49	5.7%	\$59,220	\$120,610	\$114,540	\$139,020	20	48	5	78	Bachelor's degree	5 years or more	None	4	5	4	4	4	4				
A	NEXT	11-3071	Transportation, Storage, and Distribution Managers	2,034	2,280	246	12.1%	\$74,360	\$100,620	\$94,410	\$118,480	41	119	25	185	High school diploma or equivalent	5 years or more	None	3	4	3	4	3	4				
B	LATER	11-3111	Compensation and Benefits Managers	n/a	n/a	n/a	n/a	\$104,370	\$141,640	\$130,110	\$168,910	n/a	n/a	n/a	n/a	Bachelor's degree	5 years or more	None	4	5	5	5	4	4				
B+	LATER	11-3121	Human Resources Managers	2,365	2,593	228	9.6%	\$86,920	\$120,710	\$108,890	\$140,030	58	138	23	219	Bachelor's degree	5 years or more	None	3	5	4	5	4	4				
B+	LATER	11-3131	Training and Development Managers	421	459	38	9.0%	\$88,910	\$115,600	\$118,850	\$137,050	10	29	4	43	Bachelor's degree	5 years or more	None	4	4	5	5	4	4				
B	NEXT	11-3903	Farmers, Ranchers, and Other Agricultural Managers	13,911	13,767	-144	-1.0%	\$50,320	\$65,410	\$60,260	\$81,160	854	481	-14	1,321	High school diploma or equivalent	5 years or more	None	4	6	5	5	4	5				
A	LATER	11-9021	Construction Managers	5,278	6,066	788	14.9%	\$50,750	\$126,170	\$93,570	\$126,090	117	287	79	483	Bachelor's degree	None	Moderate-term-on-the-job training	4	5	3	6	3	5				
C+	LATER	11-9031	Education Administrators, Preschool and Childcare Center/Program	947	1,038	91	9.6%	\$44,210	\$55,730	\$56,740	\$64,140	24	46	9	79	Bachelor's degree	Less than 5 years	None	4	4	5	5	4	4				
B	NEXT	11-9033	Education Administrators, Postsecondary	5,206	5,483	247	5.9%	\$50,750	\$126,170	\$93,570	\$126,090	117	287	79	483	Master's degree	Less than 5 years	None	3	5	5	5	4	5				
B+	LATER	11-9039	Education Administrators, All Other	426	455	29	6.8%	\$54,760	\$75,710	\$69,650	\$106,440	11	20	3	44	Bachelor's degree	Less than 5 years	None	3	4	4	4	4	4				
B+	LATER	11-9041	Architectural and Engineering Managers	2,129	2,258	129	6.1%	\$115,800	\$147,020	\$138,780	\$174,400	40	111	13	164	High school diploma or equivalent	5 years or more	None	7	7	6	7	5	5	Core			
B	NEXT	11-9051	Food Service Managers	2,548	2,931	383	15.0%	\$36,830	\$59,490	\$57,900	\$72,370	84	219	38	341	High school diploma or equivalent	Less than 5 years	None	3	3	4	4	3	4				
B+	LATER	11-9071	Gaming Managers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None	3	5	3	5	4	5				
B	NEXT	11-9081	Logging Managers	459	512	53	11.6%	\$58,910	\$61,730	\$56,660	\$84,790	19	34	5	58	High school diploma or equivalent	Less than 5 years	None	3	4	3	4	3	4				
A+	LATER	11-9111	Health and Medical Services Managers	8,146	10,426	2,280	28.0%	\$77,840	\$112,500	\$99,840	\$130,590	232	472	228	932	Bachelor's degree	Less than 5 years	None	5	6	4	5	4	4	Related			
B+	LATER	11-9121	Natural Sciences Managers	666	734	65	9.7%	\$62,490	\$105,690	\$101,830	\$132,960	14	242	32	388	Bachelor's degree	5 years or more	None	3	4	4	5	3	4				
C	NEXT	11-9141	Postsecondary Education Administrators	298	312	-14	-1.1%	\$50,750	\$64,020	\$58,830	\$80,930	19	214	24	447	High school diploma or equivalent	Less than 5 years	None	3	4	4	4	3	4				
C+	NEXT	11-9151	Social and Community Association Managers	5,472	5,714	242	4.4%	\$39,860	\$67,040	\$57,930	\$79,930	212	211	24	447	High school diploma or equivalent	Less than 5 years	None	3	4	4	4	3	4				
C	NEXT	11-9152	Social and Community Service Managers	3,181	3,321	140	4.4%	\$49,340	\$64,390	\$60,160	\$75,530	78	174	14	286	Bachelor's degree	5 years or more	None	3	4	4	4	4	4				
C	NEXT	11-9161	Emergency Management Directors	159	165	6	3.8%	\$40,960																				



B	NEXT	33-1012 First-line Supervisors of Police and Detectives	2,248	2,319	71	3.2%	\$64,930	\$87,130	\$87,290	\$105,650	51	94	7	152	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	4	4	5	5	5	4
C+	NEXT	33-1021 First-line Supervisors of Fire Fighting and Prevention Workers	1,556	1,624	68	4.4%	\$50,270	\$73,790	\$75,460	\$97,710	38	64	7	109	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training	4	5	4	5	4	4	4
C	NEXT	33-3001 Miscellaneous First-line Supervisors, Protective Service Workers	1,039	1,100	67	6.5%	\$52,210	\$51,570	\$53,330	\$59,570	40	62	7	109	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training	5	5	5	5	3	4	4
C+	NEXT	33-2011 Fire Inspectors and Investigators	5,500	6,150	249	4.2%	\$32,210	\$51,570	\$45,420	\$59,890	133	311	25	469	Postsecondary non-degree award	5 years or more	Long-term on-the-job training	3	4	4	4	4	4	4
D	NEXT	33-3011 Fire Inspectors and Investigators	297	293	-4	-1.4%	\$29,810	\$36,480	\$35,730	\$40,490	11	16	0	27	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4	4
D	NEXT	33-3012 Correctional Officers and Jailers	7,732	7,069	-663	-8.6%	\$28,310	\$33,380	\$31,660	\$37,060	279	400	-66	613	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	3	3
C+	NEXT	33-3021 Detectives and Criminal Investigators	1,928	1,972	44	2.3%	\$43,270	\$73,870	\$70,370	\$87,150	50	90	4	144	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	4	4	4	4	4	4
C	LATER	33-3031 Fish and Game Wardens	214	215	1	0.5%	\$37,530	\$52,370	\$54,520	\$64,480	11	10	0	21	Bachelor's degree	None	Moderate-term on-the-job training	3	3	4	4	3	4	4
F	NOW	33-3041 Parking Enforcement Workers	n/a	n/a	n/a	n/a	\$40,780	\$56,480	\$54,340	\$71,670	364	n/a	n/a	n/a	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	3	3
B	NEXT	33-3051 Police and Sheriff's Patrol Officers	14,286	14,829	543	3.8%	\$40,780	\$56,480	\$54,340	\$71,670	374	59	54	1,157	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4	4
C+	NEXT	33-3052 Transit and Railroad Police	n/a	n/a	n/a	n/a	\$40,780	\$56,480	\$54,340	\$71,670	374	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4	4
C	NEXT	33-3053 Police and Sheriff's Deputies	201	213	13	6.5%	\$50,800	\$59,800	\$59,800	\$60,890	6	11	1	19	High school diploma or equivalent	None	Moderate-term on-the-job training	3	4	4	5	4	4	4
C+	NEXT	33-3053 Private Detectives and Investigators	603	689	77	12.8%	\$31,860	\$50,730	\$47,660	\$64,390	18	38	8	64	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	4	4	4	4	4	4	4
C	NEXT	33-9031 Gaming Surveillance Officers and Gaming Investigators	n/a	n/a	n/a	n/a	\$37,880	\$36,910	\$30,440	\$43,430	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	4	4	4	3	4	4
B+	NOW	33-9032 Security Guards	15,844	17,683	1,839	11.6%	\$22,000	\$37,000	\$33,460	\$47,190	888	1,298	144	2,370	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4	4
C+	NOW	33-9091 Crossing Guards	n/a	n/a	n/a	n/a	\$24,080	\$32,690	\$28,000	\$34,420	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3	3	3	4	3	4	4
B	NOW	33-9092 Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	3,101	3,689	588	19.0%	\$19,870	\$22,570	\$20,420	\$23,790	468	377	59	904	No formal educational credential	None	Short-term on-the-job training	3	3	4	4	3	4	4
D	NOW	33-9093 Transportation Security Screeners	510	510	0	0.0%	\$36,340	\$41,090	\$40,370	\$43,410	18	25	0	43	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4	4
C+	NOW	33-9094 School Bus Monitors and Protective Service Workers, All Other	1,534	1,716	182	11.9%	\$25,250	\$40,890	\$39,120	\$50,570	224	180	18	422	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	4	3	4	4
<b>35-0000 Food Preparation and Serving Related Occupations</b>		<b>236,051</b>	<b>273,499</b>	<b>45,448</b>	<b>10.9%</b>	<b>\$30,140</b>	<b>\$32,800</b>	<b>\$32,810</b>	<b>\$39,480</b>	<b>18,463</b>	<b>25,316</b>	<b>4,545</b>	<b>48,544</b>											
B+	NEXT	35-1011 Chefs and Head Cooks	1,255	1,355	300	23.9%	\$31,000	\$54,790	\$54,000	\$68,990	42	188	30	210	High school diploma or equivalent	5 years or more	None	3	3	3	4	3	4	4
A	NEXT	35-1012 First-line Supervisors of Food Preparation and Serving Workers	17,459	21,110	3,551	20.9%	\$26,270	\$36,410	\$31,100	\$43,420	860	1,965	365	3,190	High school diploma or equivalent	Less than 5 years	None	4	4	5	5	4	4	4
C	NOW	35-2011 Cooks, Fast Food	12,533	12,499	-284	-2.3%	\$19,800	\$22,480	\$20,940	\$23,980	729	1,060	-28	1,761	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3	3
C+	NOW	35-2012 Cooks, Institution and Cafeteria	13,457	13,864	407	3.0%	\$20,730	\$26,430	\$24,540	\$30,200	804	1,169	41	2,014	No formal educational credential	None	Short-term on-the-job training	3	4	3	4	3	4	4
C	NEXT	35-2013 Cooks, Private Household	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Less than 5 years	None	3	3	3	4	3	4	4
A	NEXT	35-2014 Cooks, Restaurants	28,582	42,335	13,753	48.1%	\$21,180	\$27,250	\$28,890	\$31,400	2,087	3,034	1,375	6,497	No formal educational credential	Less than 5 years	Moderate-term on-the-job training	3	3	3	3	3	4	4
C	NOW	35-2015 Cooks, Short Order	1,940	2,131	193	9.9%	\$23,690	\$26,320	\$26,110	\$27,120	174	19	313	313	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3	3
C	NEXT	35-2021 Cooks, All Other	n/a	n/a	n/a	n/a	\$27,510	\$30,700	\$30,760	\$32,010	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	3	3	3
B	NOW	35-2021 Food Preparation Workers	8,469	11,293	2,824	25.0%	\$20,730	\$26,430	\$24,540	\$30,200	800	1,035	265	1,938	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	4	4
B+	NOW	35-2022 Fast Food and Counter Workers	60,300	69,594	9,294	15.4%	\$20,310	\$24,580	\$23,840	\$26,760	6,397	8,865	929	14,040	No formal educational credential	None	Short-term on-the-job training	4	6	6	6	6	6	6
B+	NOW	35-2023 Food and Counter Workers	43,490	51,919	8,429	19.4%	\$19,820	\$23,880	\$20,380	\$25,650	3,502	5,695	843	10,041	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3	3
B	NOW	35-3041 Food Servers, Nonrestauran	5,695	6,579	884	15.5%	\$20,780	\$25,210	\$23,900	\$28,130	486	479	88	1,053	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3	3
B+	NOW	35-3041 Dining Room and Cafeteria Attendants and Bartender Helpers	6,512	8,355	1,843	28.3%	\$19,990	\$23,560	\$21,340	\$24,670	641	644	184	1,469	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3	3
B	NOW	35-3021 Dishwashers	5,611	6,707	1,096	19.5%	\$19,920	\$23,500	\$22,290	\$35,460	463	515	110	1,085	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3	3
B+	NOW	35-3093 Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	6,545	8,110	1,565	23.9%	\$19,910	\$24,200	\$24,570	\$33,950	283</													

C+	NEXT	47-1211 Glaziers	984	1,063	79	8.0%	\$44,620	\$64,930	\$65,820	\$80,310	28	79	8	115	High school diploma or equivalent	None	Apprenticeship	3	3	3	3	3	3	3
C	NEXT	47-1211 Insulation Workers, Floor, Ceiling, and Wall	483	532	49	10.1%	\$27,810	\$41,520	\$53,590	\$60,990	12	35	5	52	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3	3
B	NEXT	47-2122 Insulation Workers, Mechanical	1,025	1,170	145	14.2%	\$38,830	\$54,490	\$48,650	\$67,320	26	75	14	115	High school diploma or equivalent	None	Apprenticeship	3	4	3	4	3	3	3
B	NEXT	47-2141 Painters, Construction and Maintenance	6,435	6,911	476	7.4%	\$38,130	\$55,010	\$53,920	\$73,100	202	370	48	620	No formal educational credential	None	Moderate-term on-the-job training	3	3	4	4	4	4	4
C	NEXT	47-2142 Paperhangers	n/a	n/a	n/a	n/a	\$34,380	\$39,280	\$38,720	\$44,840	n/a	n/a	n/a	n/a	No formal educational credential	None	Long-term on-the-job training	3	3	4	4	4	4	4
D	NEXT	47-2151 Pipefitters	382	370	-12	-3.1%	\$37,360	\$58,510	\$59,640	\$78,710	11	27	-1	37	No formal educational credential	None	Short-term on-the-job training	3	3	4	4	4	4	4
B+	NEXT	47-2152 Plumbers, Pipefitters, and Steamfitters	8,411	9,448	1,037	12.3%	\$45,350	\$64,910	\$61,810	\$84,780	260	642	104	1,006	High school diploma or equivalent	None	Apprenticeship	3	4	3	4	3	3	4
C+	NEXT	47-2161 Plasterers and Stucco Masons	209	234	25	12.0%	\$42,900	\$55,240	\$55,450	\$67,250	6	12	2	20	No formal educational credential	None	Long-term on-the-job training	3	4	3	4	3	3	3
C	NEXT	47-2171 Reinforcing Iron and Rebar Workers	n/a	n/a	n/a	n/a	\$47,660	\$61,810	\$66,130	\$76,680	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Apprenticeship	3	4	3	3	3	3	4
C+	NEXT	47-2181 Roofers	2,124	2,274	150	7.1%	\$38,350	\$55,490	\$52,780	\$71,640	54	154	15	223	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	3	3	3
B	NEXT	47-2211 Sheet Metal Workers	4,116	4,443	327	7.9%	\$36,520	\$60,810	\$61,040	\$83,780	116	277	33	426	High school diploma or equivalent	None	Apprenticeship	3	4	3	4	3	3	4
C+	NEXT	47-2221 Structural Iron and Steel Workers	1,137	1,242	105	9.2%	\$38,530	\$55,920	\$53,210	\$74,020	31	91	10	132	High school diploma or equivalent	None	Apprenticeship	3	3	3	3	3	3	3
B	NEXT	47-2231 Solar Photovoltaic Installers	n/a	n/a	n/a	n/a	\$43,940	\$56,470	\$47,200	\$70,500	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	5	5	5	5	5	4	4
C	NOW	47-3011 Helpers—Brickmasons, Blockmasons, Stonemasons, and Tile and Metal Workers	320	319	-1	-0.3%	\$41,550	\$54,730	\$55,710	\$68,010	9	28	0	37	No formal educational credential	None	Short-term on-the-job training	3	3	4	4	4	4	4
C	NOW	47-3012 Helpers—Carpenters	191	205	14	7.3%	\$29,500	\$36,360	\$34,910	\$39,620	6	17	1	24	No formal educational credential	None	Short-term on-the-job training	3	3	4	4	3	3	3
C	NOW	47-3013 Helpers—Electricians	298	325	27	9.1%	\$29,960	\$34,370	\$34,550	\$38,540	9	27	3	39	High school diploma or equivalent	None	Short-term on-the-job training	3	3	4	4	3	3	3
C+	NOW	47-3015 Helpers—Plumbers, Pipefitters, and Steamfitters	239	272	33	13.8%	\$33,160	\$43,350	\$43,030	\$51,910	8	22	3	33	High school diploma or equivalent	None	Short-term on-the-job training	3	3	3	3	3	4	4
D	NOW	47-3016 Helpers—Roofers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3	3	4	4	4	4	4
C	NOW	47-3019 Helpers, Construction Trades, All Other	169	190	21	12.4%	\$30,170	\$36,490	\$36,270	\$43,030	5	16	2	23	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	4	4
C+	NEXT	47-4011 Construction and Building Inspectors	3,567	3,718	151	4.2%	\$45,920	\$75,670	\$73,390	\$75,110	198	220	15	433	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training	5	5	5	5	4	4	4
B+	NEXT	47-4021 Elevator Installers and Repairers	n/a	n/a	n/a	n/a	\$60,180	\$80,440	\$79,510	\$99,690	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Apprenticeship	4	4	4	4	4	4	4
C	NEXT	47-4031 Fender Erectors	640	690	50	7.8%	\$27,380	\$42,060	\$34,740	\$53,590	16	50	5	71	No formal educational credential	None	Moderate-term on-the-job training	4	4	3	4	4	4	4
C	NEXT	47-4041 Hazardous Materials Removal Workers	501	536	35	7.0%	\$35,580	\$50,040	\$48,380	\$68,480	20	42	4	66	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	4	4	4
C	NEXT	47-4051 Highway Maintenance Workers	5,496	5,678	182	3.3%	\$32,270	\$36,820	\$35,750	\$39,870	219	350	18	587	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	3	3	3
C+	NEXT	47-4061 Rail-Track Laying and Maintenance Equipment Operators	n/a	n/a	n/a	n/a	\$54,590	\$62,060	\$63,230	\$73,980	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	3	3	3
C	NEXT	47-4071 Septic Tank Servicers and Sewer Pipe Cleaners	1,213	1,318	105	8.7%	\$33,670	\$41,890	\$40,540	\$48,500	40	105	10	155	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	4	4	4
C	NEXT	47-4090 Miscellaneous Construction and Related Workers	444	490	46	10.4%	\$34,880	\$45,440	\$42,440	\$53,370	15	39	5	59	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	3	3	3
D	NOW	47-5011 Derrick Operators, Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	3	3	3	3	3	3	3
C	NEXT	47-5012 Rotary Drill Operators, Oil and Gas	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	3	4	4
C	NEXT	47-5013 Service Unit Operators, Oil, Gas, and Mining	n/a	n/a	n/a	n/a	\$54,470	\$60,540	\$61,340	\$74,370	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	3	3	3	3	3	4	4
C	NEXT	47-5022 Excavating and Loading Machine and Dragline Operators, Surface Mining	1,090	1,164	74	6.8%	\$37,420	\$47,680	\$45,220	\$55,890	35	97	7	139	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	4	4	3	3	4
C+	NEXT	47-5041 Continuous Mining Machine Operators	n/a	n/a	n/a	n/a	\$54,470	\$60,540	\$61,340	\$74,370	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	3	3	4	4	4	4	4
D	NEXT	47-5043 Roof Bolters, Mining	n/a	n/a	n/a	n/a	\$54,470	\$60,540	\$61,340	\$74,370	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	4	4	4	4	4
C	NEXT	47-5044 Loading and Moving Machine Operators, Underground Mining	n/a	n/a	n/a	n/a	\$54,470	\$60,540	\$61,340	\$74,370	n/a	n/a	n/a	n/a	No formal educational credential	None	Short-term on-the-job training	6	6	6	6	6	6	6
C	NEXT	47-5051 Rock Splitters, Quarry	136	150	14	10.3%	\$28,460	\$36,020	\$33,910	\$44,080	4	12	1	17	No formal educational credential	None	Short-term on-the-job training	3	3	4	4	3	3	3
D	NEXT	47-5071 Roustabouts, Oil and Gas	n/a	n/a	n/a	n/a	\$34,650	\$41,540	\$41,950	\$49,130	n/a	n/a	n/a	n/a	No formal educational credential	None	Moderate-term on-the-job training	3	3	4	4	3	3	3
C	NEXT	47-5081 Helpers—Extraction Workers	n/a	n/a	n/a	n/a	\$34,650	\$41,540	\$41,950	\$49,130	n/a	n/a	n/a	n/a	No formal educational credential	Less than 5 years	Long-term on-the-job training	3	3	3	3	3	4	4
C</td																								

B	NEXT	51-9199	Production Workers, All Other	3,714	4,226	512	13.8%	\$25,060	\$38,510	\$36,420	\$48,350	136	293	51	480	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	4	
C	NEXT	53-1041	Aircraft Cargo Handling Supervisors	241,949	269,200	27,251	11.3%	\$25,330	\$37,500	\$35,000	\$45,510	11,968	19,840	2,725	34,533	High school diploma or equivalent	Less than 5 years	None	5	5	5	5	4	4	
B	NEXT	53-1047	Firstline Supervisors of Transportation & Material Moving Occupations	18	151	-2	-1.3%	\$47,380	\$63,890	\$62,150	\$74,000	10	0	16	High school diploma or equivalent	Less than 5 years	None	3	4	3	4	4	4		
B	LATEX	53-2011	Airline Pilots, Copilots, and Flight Engineers	8,442	9,165	723	8.6%	\$40,620	\$58,580	\$53,470	\$71,010	231	610	72	1,003	High school diploma or equivalent	Less than 5 years	Bachelor's degree	5	5	6	6	5	6	
B+	NEXT	53-2012	Commercial Pilots	219	228	9	4.1%	\$83,780	\$103,390	\$102,550	\$122,200	8	16	1	25	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	5	5	6	6	5	6	
B	NEXT	53-2021	Air Traffic Controllers	637	706	69	10.8%	\$69,100	\$97,270	\$88,320	\$108,670	25	47	79	High school diploma or equivalent	Less than 5 years	Associate degree	None	Long-term on-the-job training	4	5	6	6	5	6
C+	NEXT	53-2022	Airfield Operations Specialists	244	256	12	4.9%	\$85,130	\$105,800	\$99,850	\$119,620	7	17	1	25	High school diploma or equivalent	Less than 5 years	None	Long-term on-the-job training	3	4	4	5	5	6
B+	NEXT	53-2031	Flight Attendants	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	4	4	5	5	5	5		
D	NEXT	53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Tech	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	None	Moderate-term on-the-job training	3	3	3	4	3	3		
B	NEXT	53-3031	Heavy and Tractor-Trailer Truck Drivers	11,951	13,356	1,715	14.5%	\$20,400	\$29,500	\$24,510	\$36,550	862	172	1,554	High school diploma or equivalent	Less than 5 years	None	Short-term on-the-job training	3	3	3	4	4	4	
B+	NEXT	53-3033	Light Truck or Delivery Services Drivers	40,929	50,951	4,257	9.2%	\$25,170	\$32,250	\$28,000	\$59,860	1,972	5,255	425	54,600	High school diploma or equivalent	Less than 5 years	None	Short-term on-the-job training	3	3	3	4	3	4
C	NEXT	53-3052	Bus Drivers, Transit and Intercity	19,161	22,179	3,018	15.8%	\$25,490	\$38,500	\$34,730	\$48,030	846	1,402	302	2,550	High school diploma or equivalent	Less than 5 years	None	Short-term on-the-job training	3	3	3	3	3	3
B+	NOW	53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	2,056	2,208	152	7.4%	\$31,000	\$41,070	\$41,170	\$50,730	1,300	106	15	261	High school diploma or equivalent	Less than 5 years	None	Moderate-term on-the-job training	3	3	3	4	3	3
C+	NOW	53-3099	Motor Vehicle Drivers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None	Short-term on-the-job training	3	3	3	3	4	4	
B	NEXT	53-4011	Locomotive Engineers	1,280	1,349	69	5.4%	\$71,520	\$77,120	\$79,260	\$86,690	29	85	7	121	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	3	4	3	4	
C	NEXT	53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	3	3	3	4		
C	NEXT	53-4022	Railroad Brake, Signal, and Switch Operators and Locomotive Firemen	544	563	14	2.6%	\$57,390	\$61,100	\$61,620	\$65,840	12	36	1	49	High school diploma or equivalent	Less than 5 years	None	Moderate-term on-the-job training	6	6	6	6	6	8
C+	NEXT	53-4031	Railroad Conductors and Yardmasters	1,399	1,478	79	5.7%	\$59,360	\$68,360	\$67,520	\$77,070	32	93	8	133	High school diploma or equivalent	Less than 5 years	None	Moderate-term on-the-job training	3	3	4	4	3	4
D	NEXT	53-4041	Railroad Trainmen Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None	Moderate-term on-the-job training	3	3	3	4	3	3	
B	NEXT	53-5011	Sailors and Marine Oilers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None	Moderate-term on-the-job training	3	3	3	3	3	3	
B	NEXT	53-5021	Captains, Mates, and Pilots of Water Vessels	247	265	18	7.3%	\$70,260	\$82,750	\$79,590	\$96,710	7	18	2	27	Postsecondary non-degree award	Less than 5 years	None	Postsecondary non-degree award	3	5	3	4	3	4
C	NEXT	53-5022	Motorboat Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Less than 5 years	None	Postsecondary non-degree award	3	3	4	4	3	3	
C	NEXT	53-5031	Ship Engineers	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	Postsecondary non-degree award	Less than 5 years	None	Postsecondary non-degree award	3	5	4	4	4	5	
C	NOW	53-6011	Bridge and Lock Tenders	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	None	Short-term on-the-job training	3	3	3	3	3	3	
C	NOW	53-6021	Parking Lot Attendants	1,206	1,305	99	8.2%	\$20,370	\$25,960	\$22,880	\$29,180	61	130	10	201	No formal educational credential	Less than 5 years	None	Short-term on-the-job training	3	3	4	4	4	4
D	NOW	53-6031	Automotive and Watercraft Service Attendants	1,204	1,210	6	0.5%	\$23,830	\$30,460	\$28,830	\$36,470	56	107	1	164	No formal educational credential	Less than 5 years	None	Short-term on-the-job training	3	3	3	3	3	3
C	NEXT	53-6041	Traffic Technicians	95	96	1	1.1%	\$42,130	\$47,130	\$46,180	\$51,660	4	8	0	12	High school diploma or equivalent	Less than 5 years	None	Moderate-term on-the-job training	5	5	4	4	4	4
B	NEXT	53-6051	Transportation Inspectors	380	397	17	4.5%	\$54,850	\$82,630	\$85,240	\$106,170	13	28	2	43	High school diploma or equivalent	Less than 5 years	None	Moderate-term on-the-job training	3	3	3	3	3	3
C	NOW	53-6061	Airline Service Attendants and Transportation Workers, All Other	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	No formal educational credential	Less than 5 years	None	Short-term on-the-job training	3	3	3	4	3	4	
C	NOW	53-6088	Aircraft Service Attendants and Transportation Workers, All Other	874	947	73	8.4%	\$32,920	\$59,940	\$32,370	\$32,470	42	81	7	130	High school diploma or equivalent	Less than 5 years	None	Short-term on-the-job training	3	3	3	3	3	3
C+	NOW	53-7011	Conveyor Operators and Tenders	1,129	1,283	153	13.6%	\$38,210	\$52,310	\$51,390	\$57,060	37	104	15	156	No formal educational credential	Less than 5 years	None	Short-term on-the-job training	3	3	3	3	3	4
C+	NEXT	53-7021	Crane and Tower Operators	355	396	41	11.6%	\$33,960	\$51,820	\$41,930	\$71,820	10	29	4	43	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	3	3	3	3	
C	NEXT	53-7031	Dredge Operators	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	3	3	3	4	3	4		
B	NOW	53-7031	Hoist and Winch Operators	58	72	14	24.1%	\$33,350	\$40,540	\$36,880	\$40,390	2	6	1	9	No formal educational credential	Less than 5 years	None	Short-term on-the-job training	3	3	3	4	4	4
B+	NOW	53-7051	Industrial Truck and Tractor Operators	13,398	15,588	2,190	16.4%	\$30,710	\$39,670	\$38,500	\$47,720	436	1,112	219	1,767	No formal educational credential	Less than 5 years	None	Short-term on-the-job training	3	3	3	3	3	3
C+	NOW	53-7061	Cleaners of Vehicles and Equipment	6,729	7,320	591	8.8%	\$21,860	\$28,840	\$25,550	\$32,280	344	625	59	1,028	No formal educational credential	Less than 5 years	None	Short-term on-the-job training	3	3</				

## Notes

1. n/a = Data suppressed due to confidentiality or lack of statistically significant data.
2. Net Employment Change (Column G) is the difference in the number of jobs between the base and projected years.
3. Percent employment change (Column H) indicates how fast employment is expected to increase or decrease during the projection period.
4. Annual Exit Openings (Column M) are an estimate of the annual number of jobs that will arise from the need to replace workers who have left the workforce entirely.
5. Annual Transfer Openings (Column N) are an estimate of the annual number of jobs that will arise from the need to replace workers who have transferred to a different occupation.
6. Annual Growth Openings (Column O) are the annual numeric change in employment.
7. Annual Total Openings (Column P) are the sum of exit, transfer, and growth openings.

### Occupation Grade

The occupation grades, or "career grades", are based on a combination of total job openings, percent growth, and the average wages of an occupation. Occupations with the letter grade "A+" have the best outlook, while occupations with the letter grade "F" have the worst outlook. Grades in each region are determined by comparing only the occupations within that region.

### STEM

Refers to Science, Technology, Engineering, and Math occupations. "Core" occupations are those that strictly use STEM skills. "Related" occupations are those that use related STEM skills.

### N\_N\_L: "Now, Next, Later"

Now: Typically requires short-term on-the-job training, little to no experience, and/or a high school diploma

Next: Typically requires non-degree certificate, associate's degree, apprenticeship, some experience, or moderate- to long-term training

Later: Typically requires a bachelor's degree or higher

### ACT WorkKeys Assessments

ACT WorkKeys® assessments measure foundational skills required for success in the workplace, and help measure the workplace skills that can affect job performance. Scores are provided for three different categories: Applied Math, Workplace Documents, and Graphic Literacy. Each assessment offers varying levels of difficulty. The levels build on each other, incorporating the skills assessed at the previous levels. For example, at Level 5, individuals need the skills from Levels 3, 4, and 5. The minimum and median score required for each occupation is shown, if available. For more information about WorkKeys skills, please visit the following website:

<https://www.act.org/content/act/en/products-and-services/workkeys-for-employers/assessments.html>